

FIG. 1A

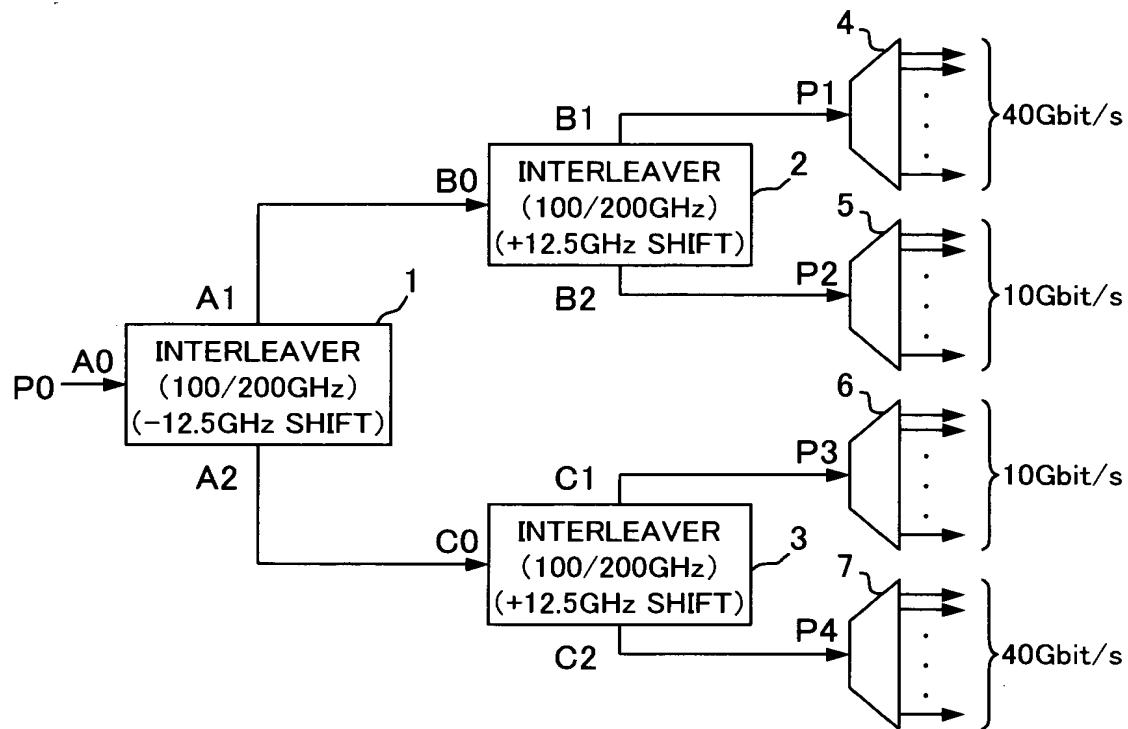


FIG. 1B

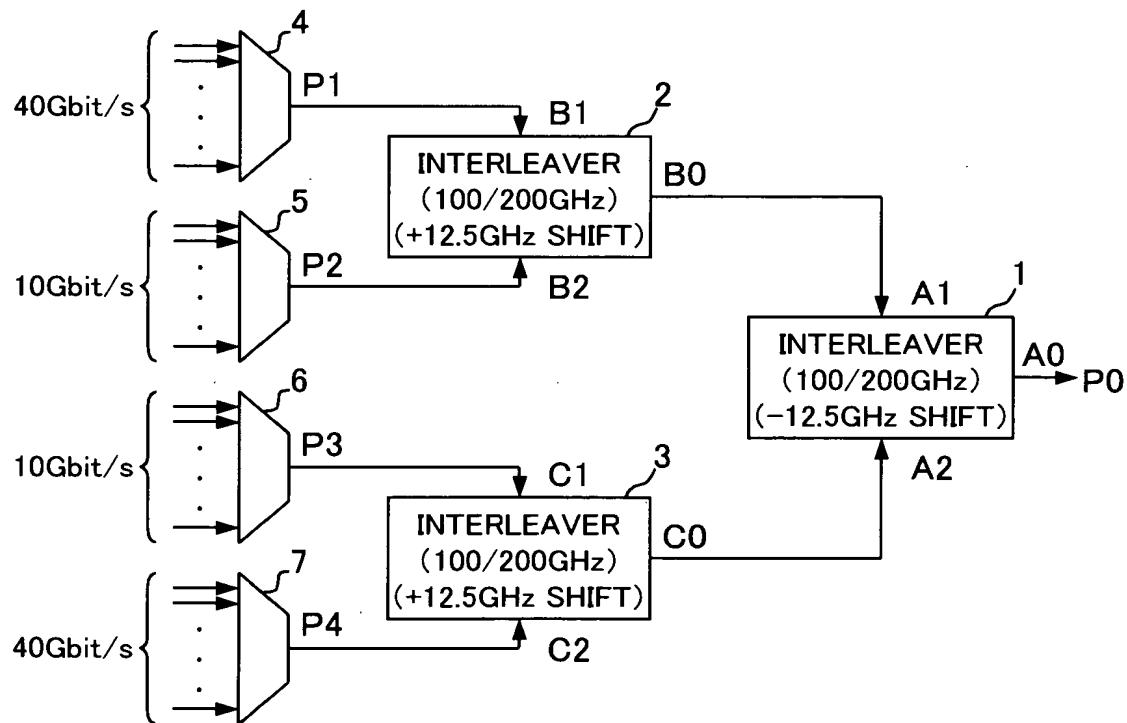


FIG. 2

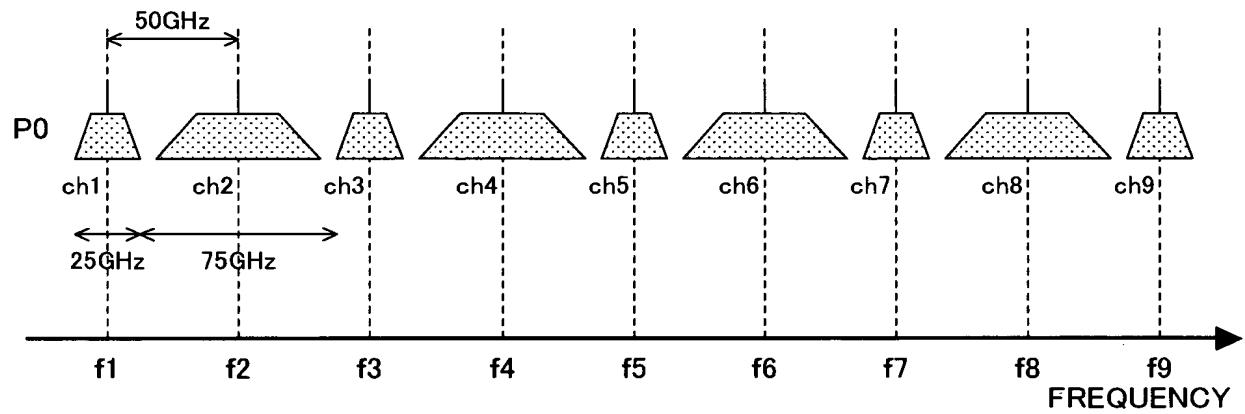


FIG. 3

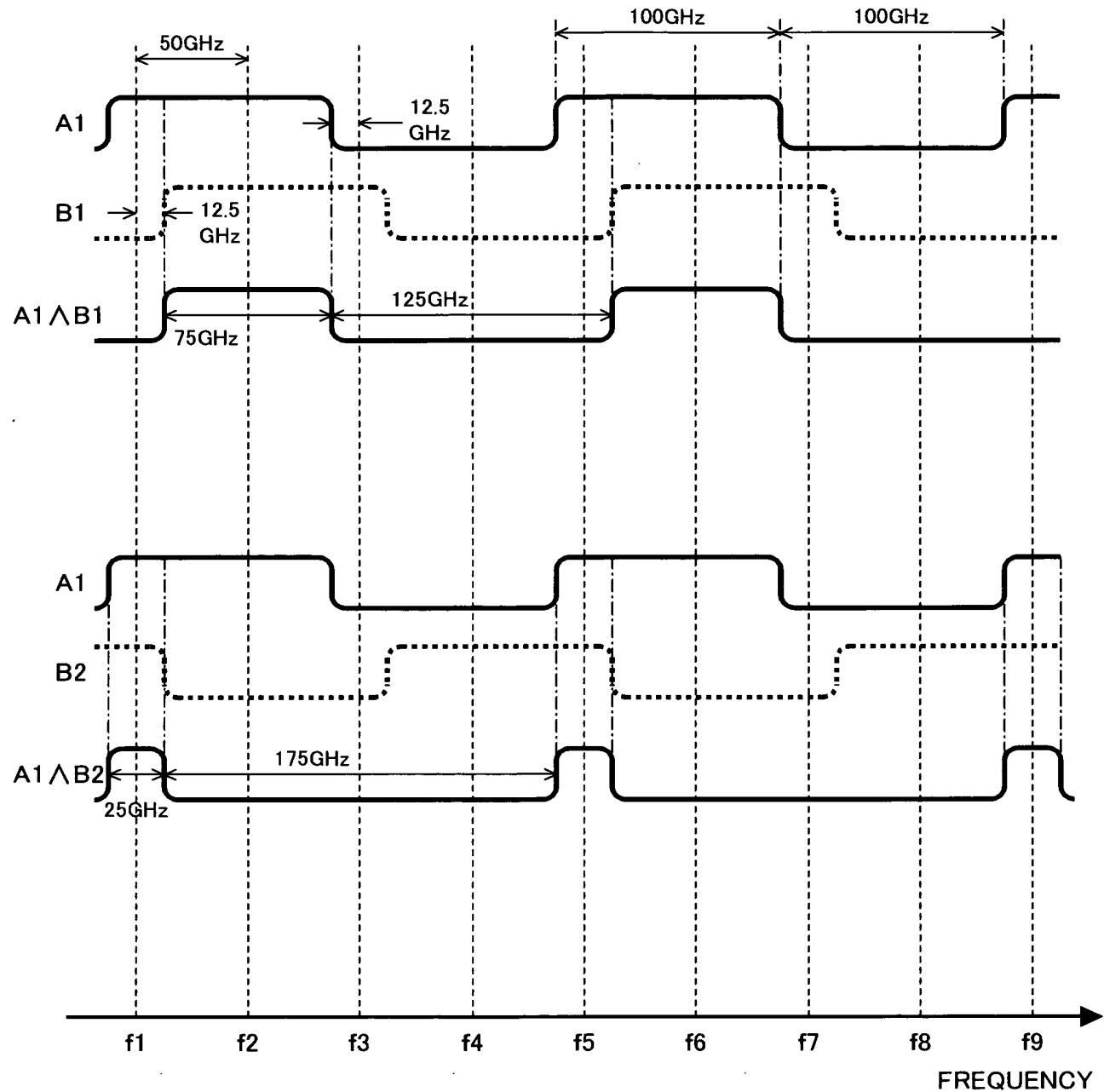


FIG. 4

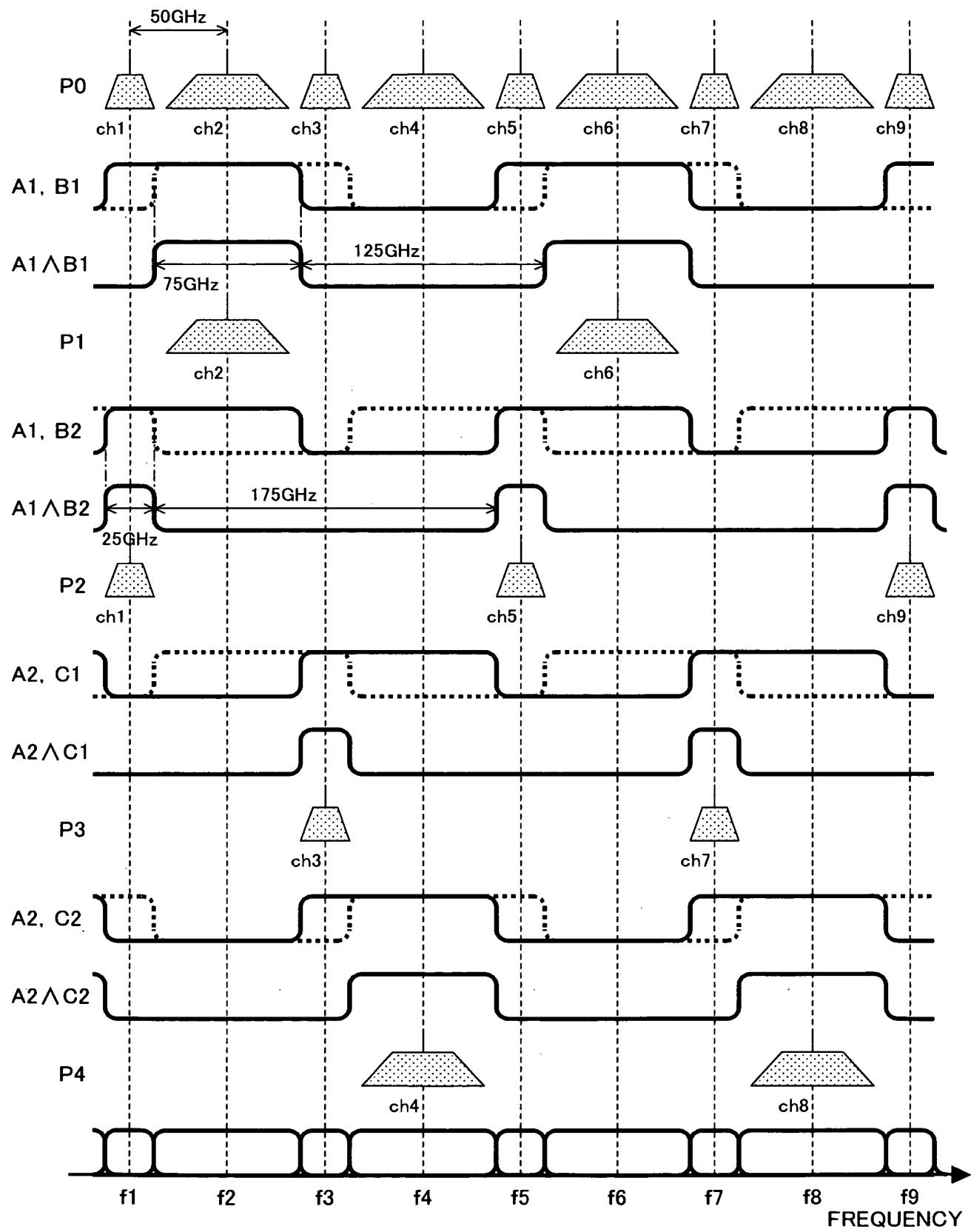


FIG. 5A

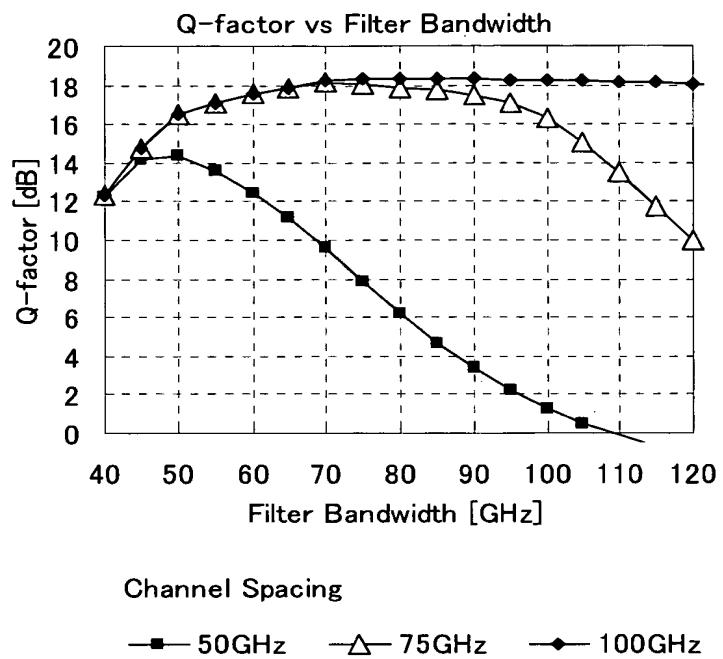


FIG. 5A

| BIT RATE | WAVELENGTH INTERVAL | SPECTRAL EFFICIENCY |
|----------------------------------|---------------------|---------------------|
| 10 Gbit/s | 50 GHz | 0.20 |
| 10 Gbit/s | 25 GHz | 0.40 |
| 40 Gbit/s | 100 GHz | 0.40 |
| 10 Gbit/s & 40 Gbit/s | 50 GHz | 0.50 |
| 40 Gbit/s | 75 GHz | 0.53 |

FIG. 6A

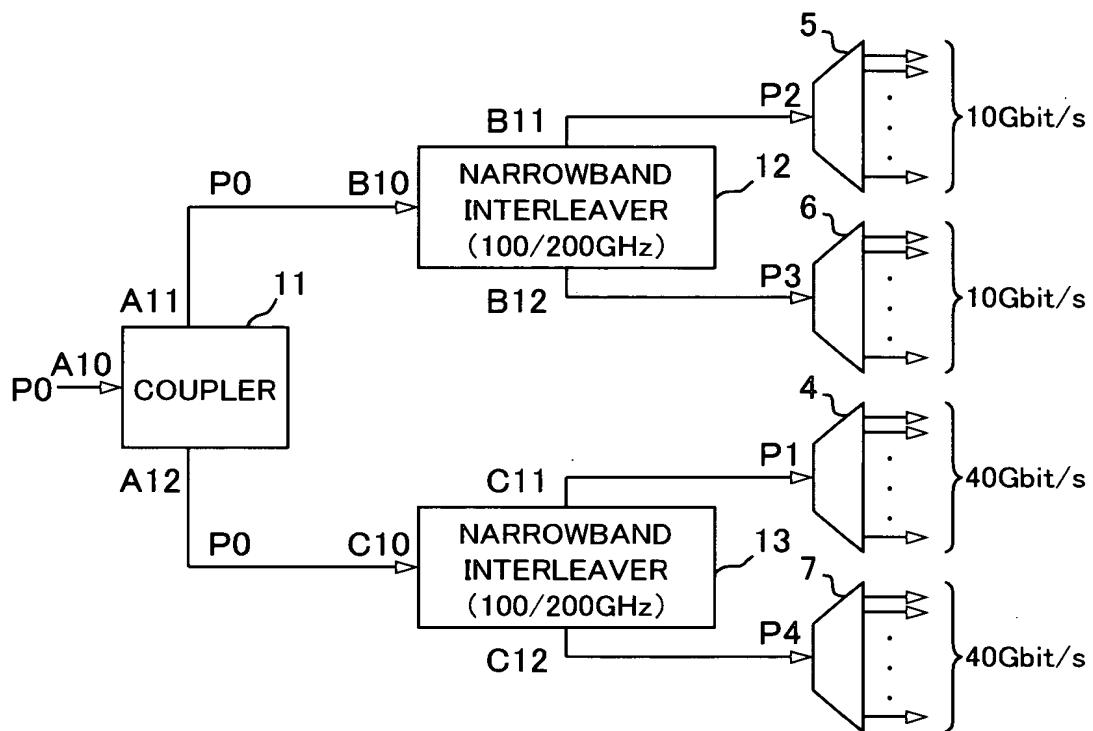


FIG. 6B

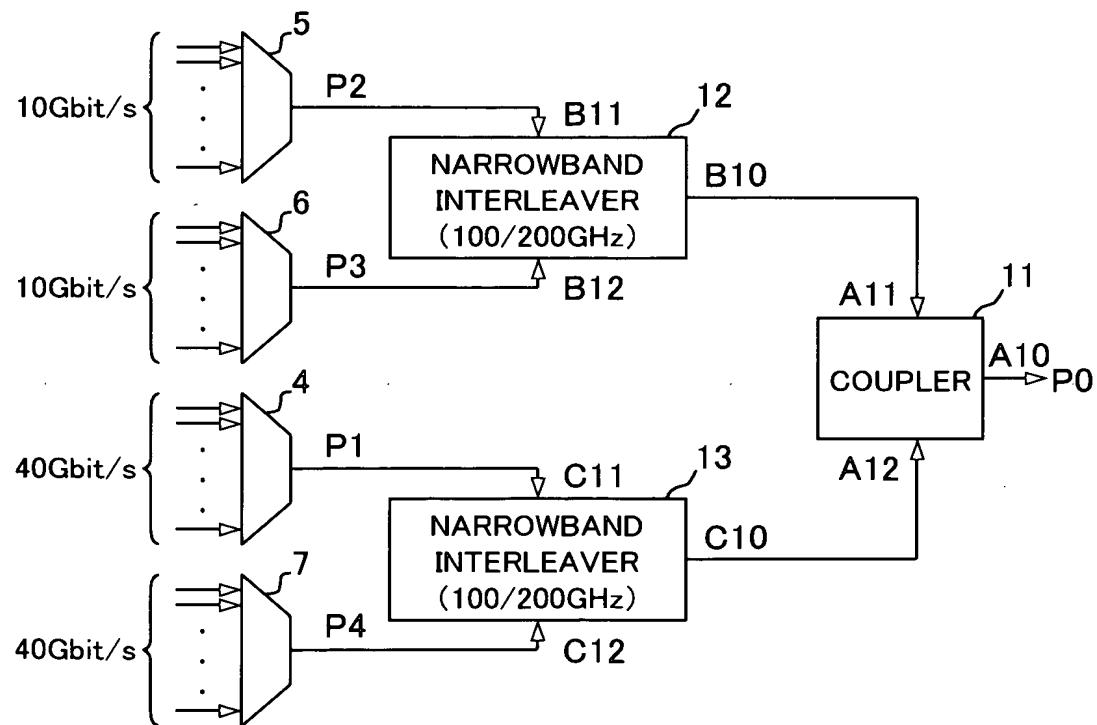


FIG. 7

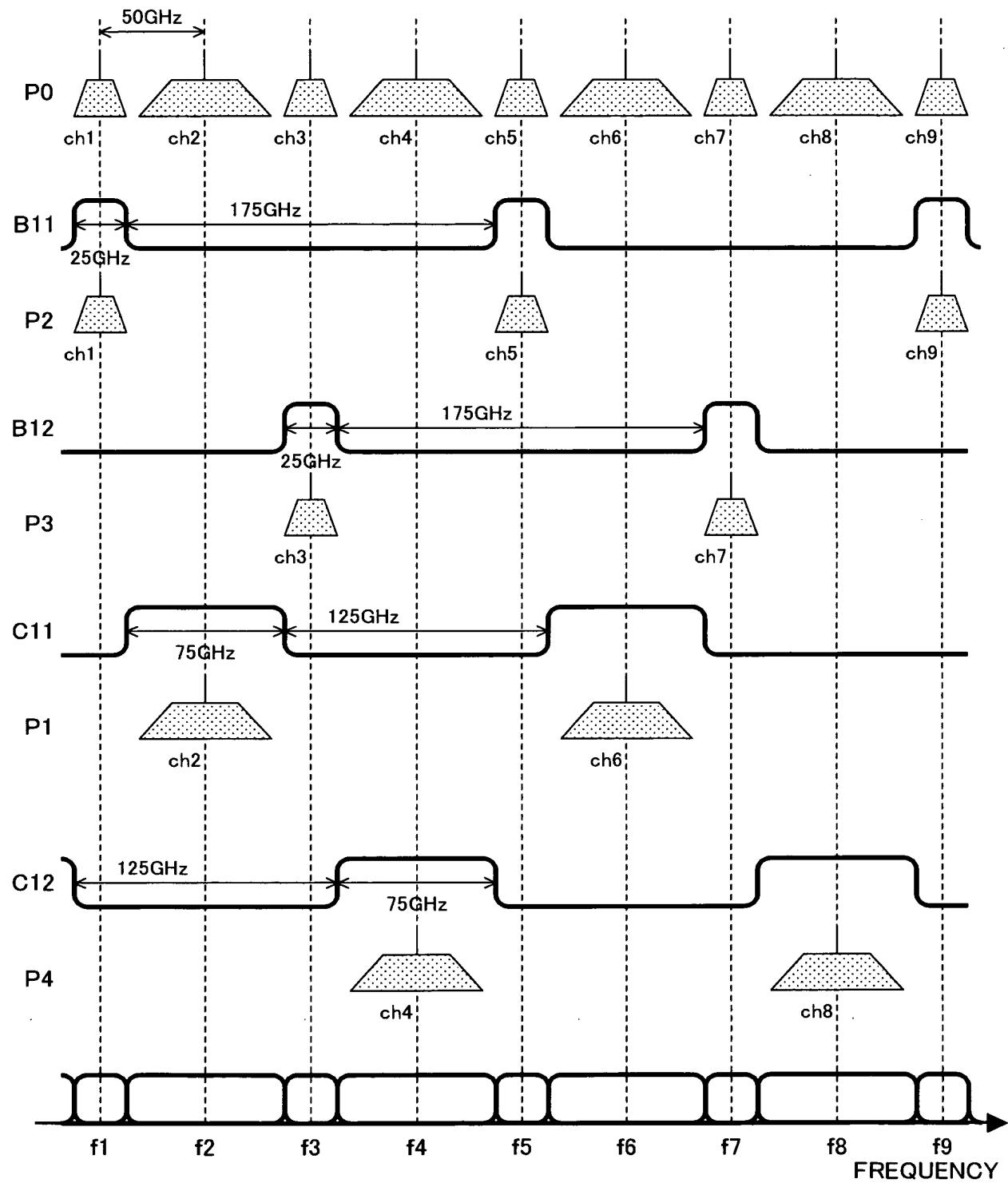


FIG. 8A

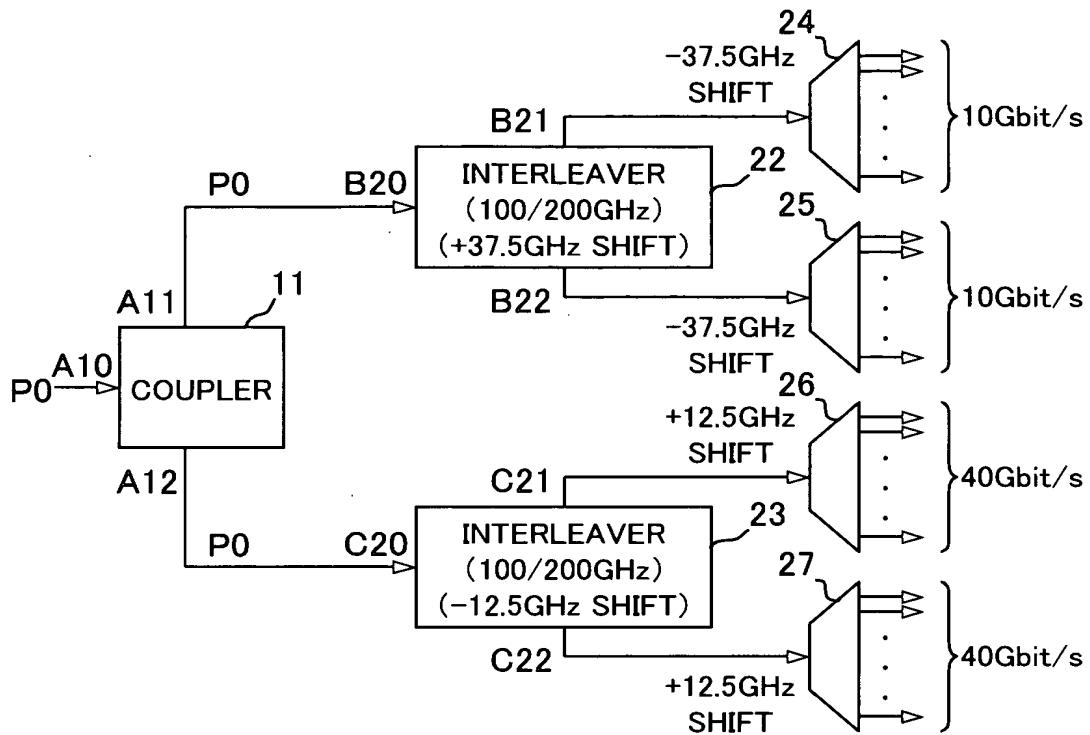


FIG. 8B

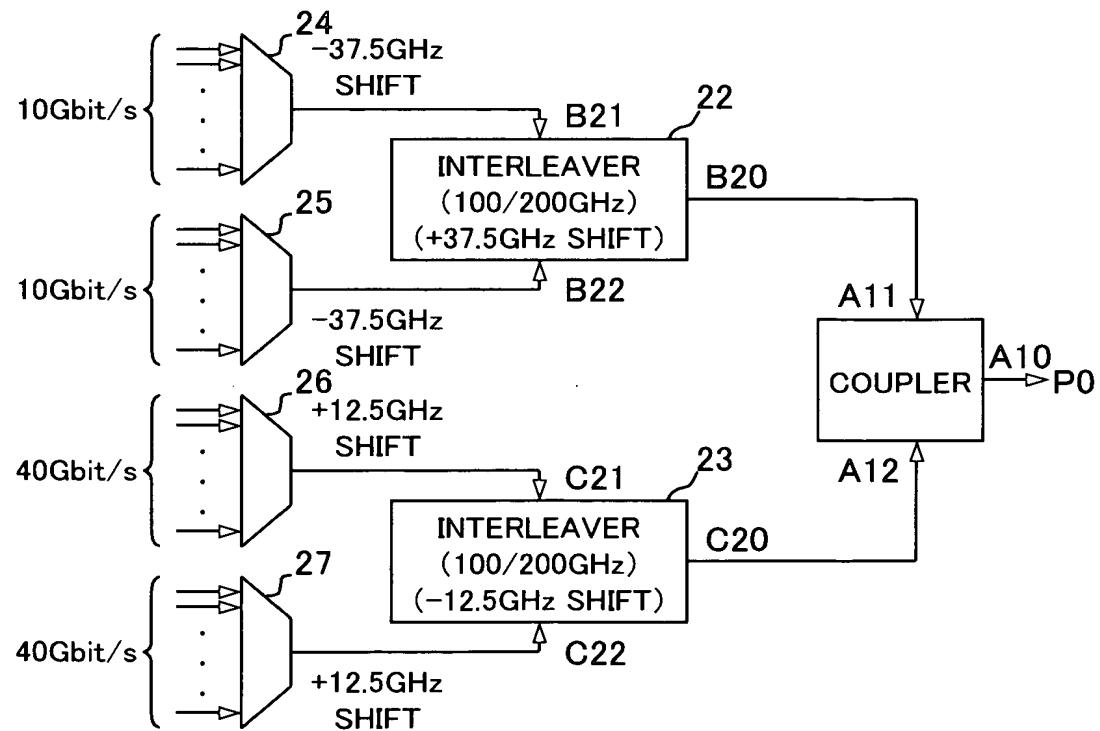


FIG. 9

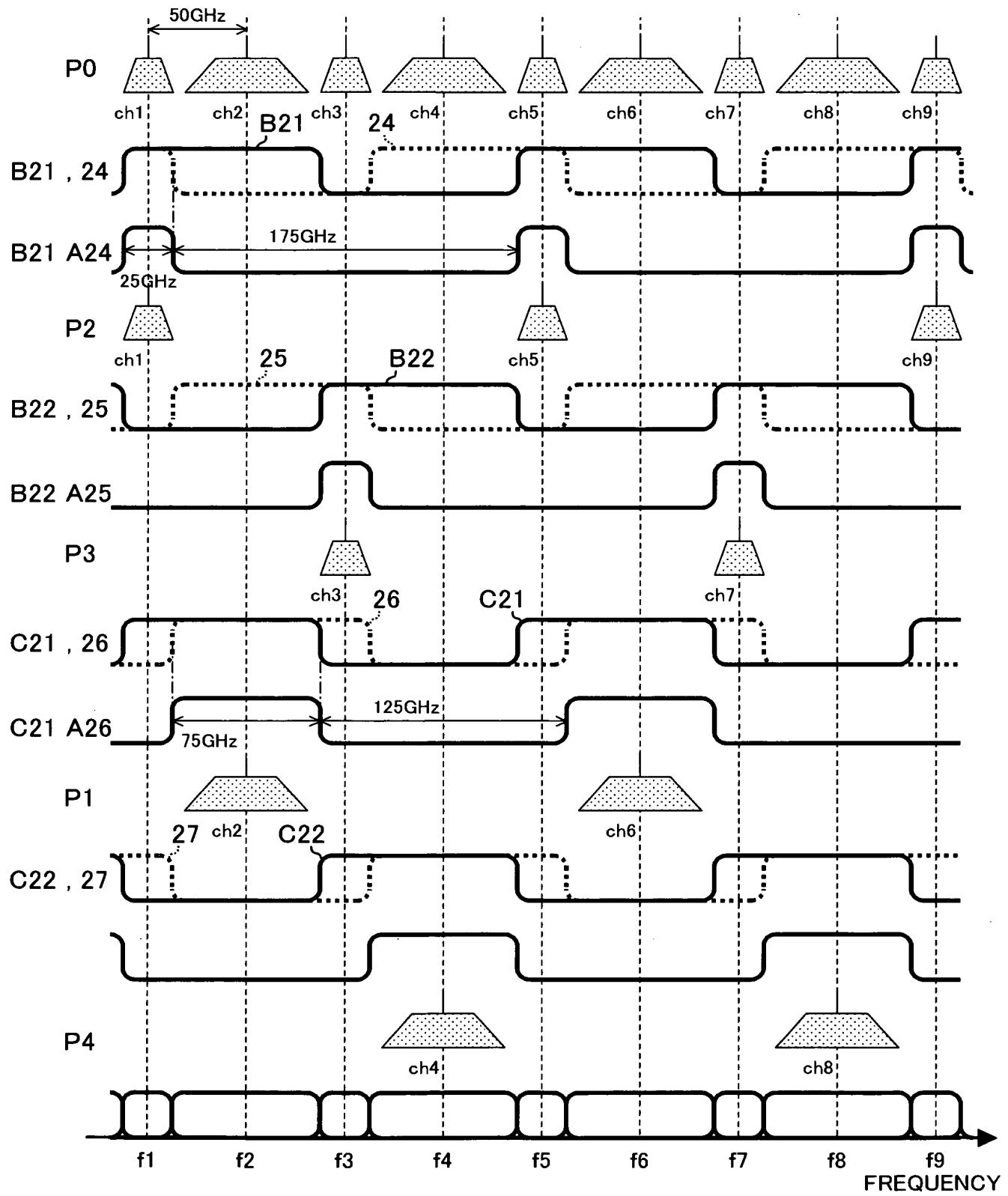


FIG. 10A

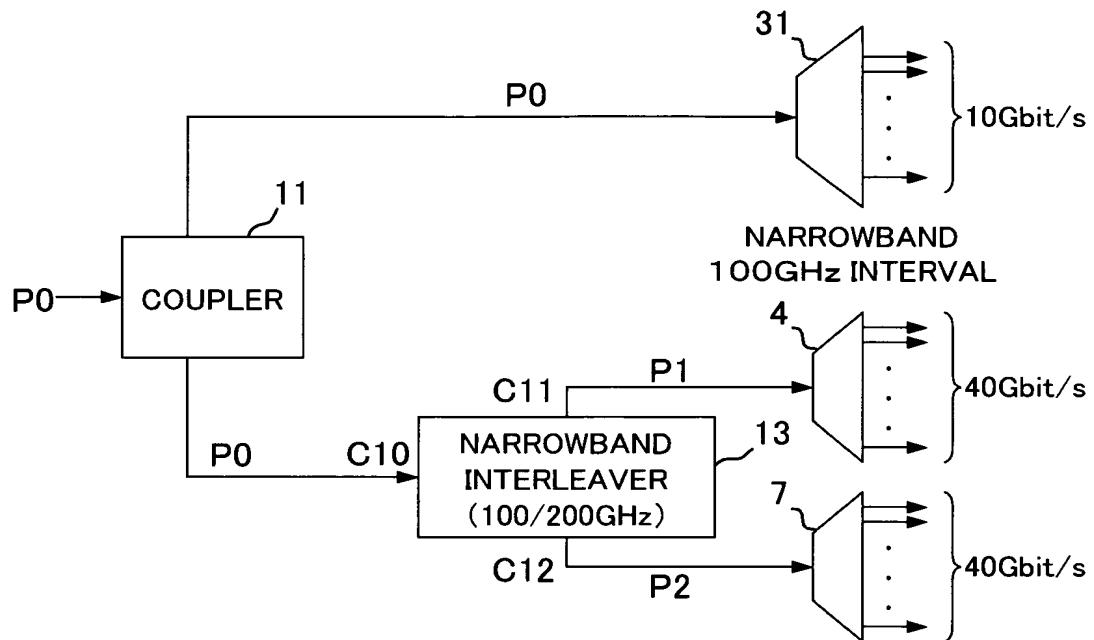


FIG. 10B

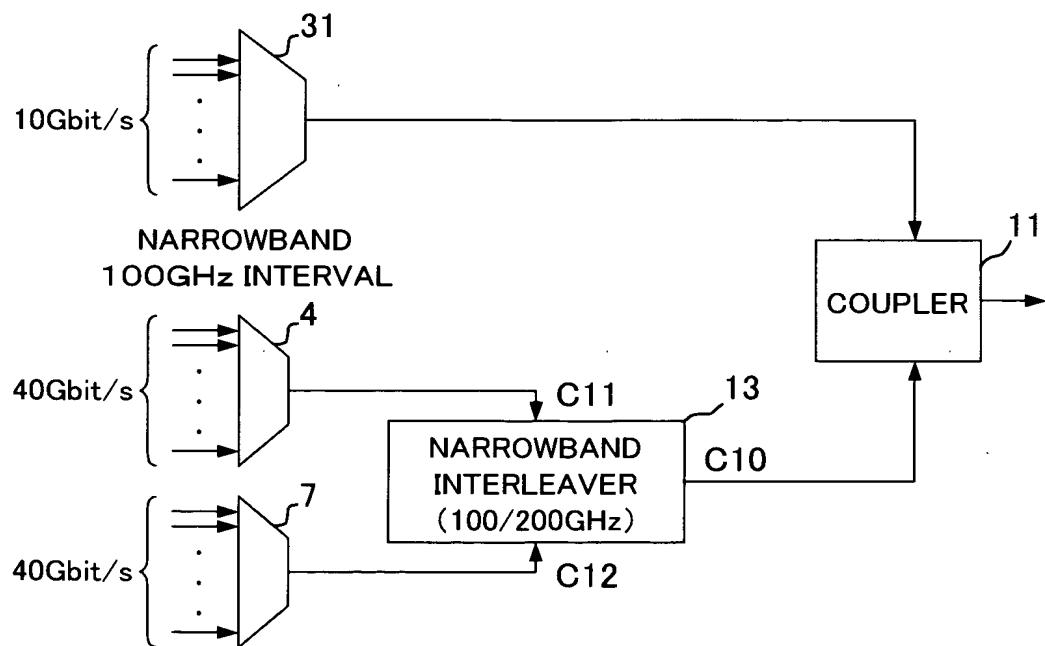


FIG. 11

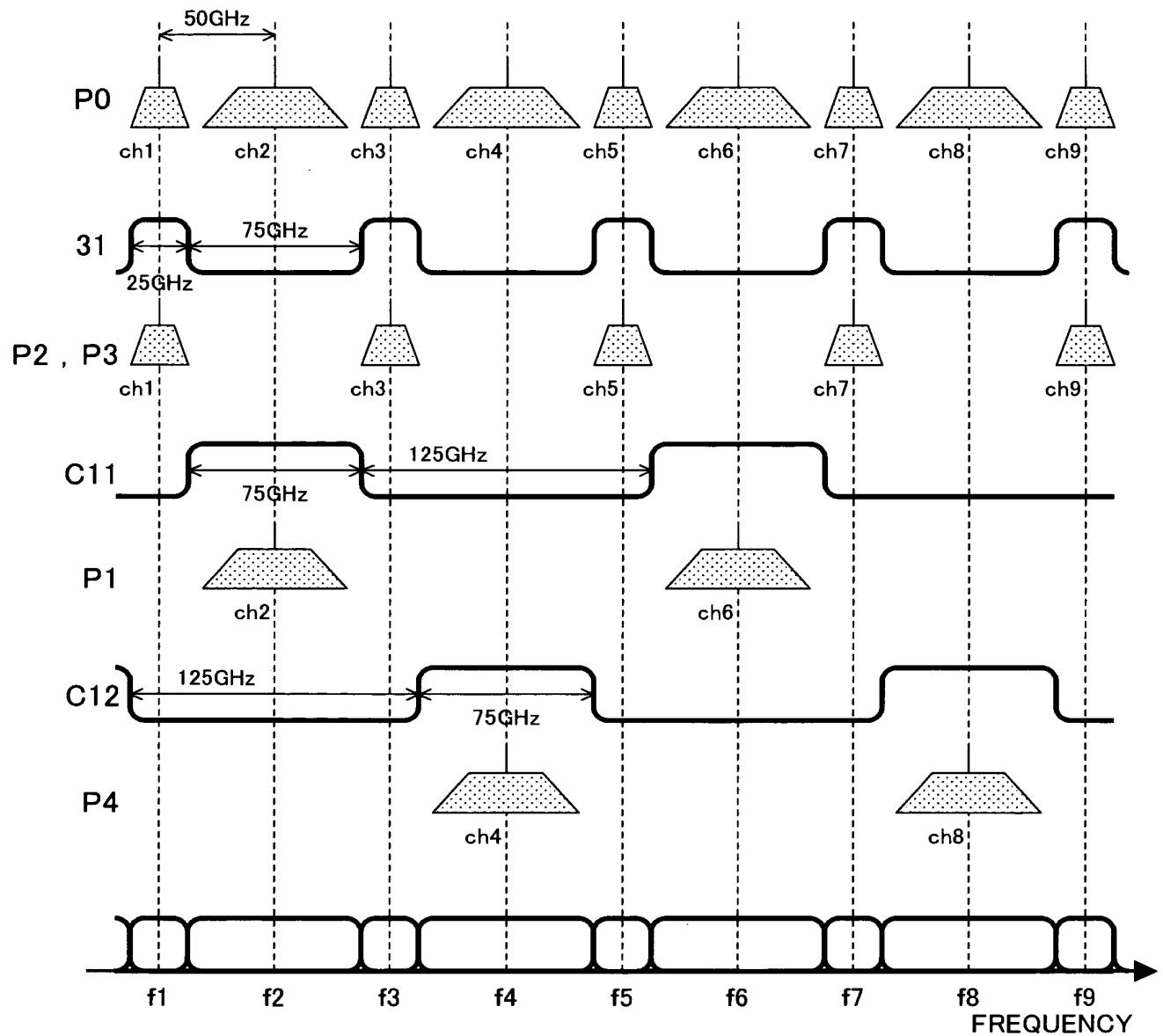


FIG. 12A

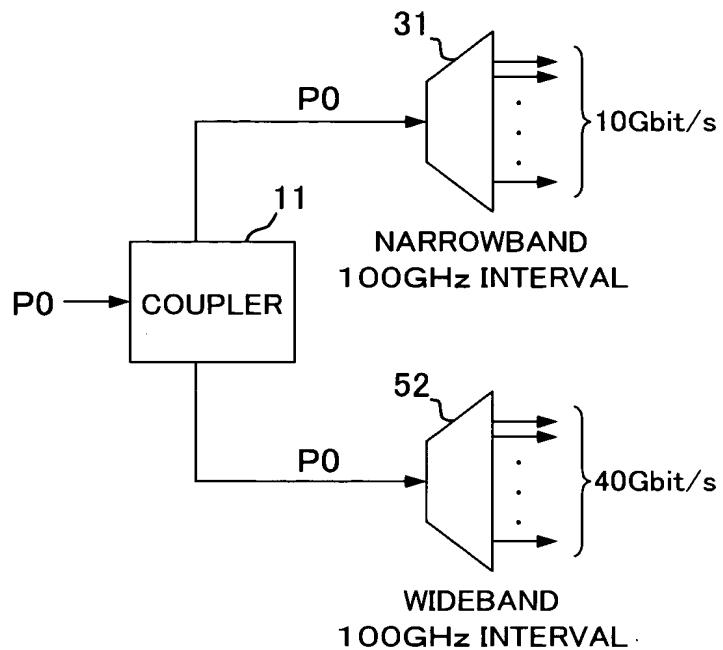


FIG. 12B

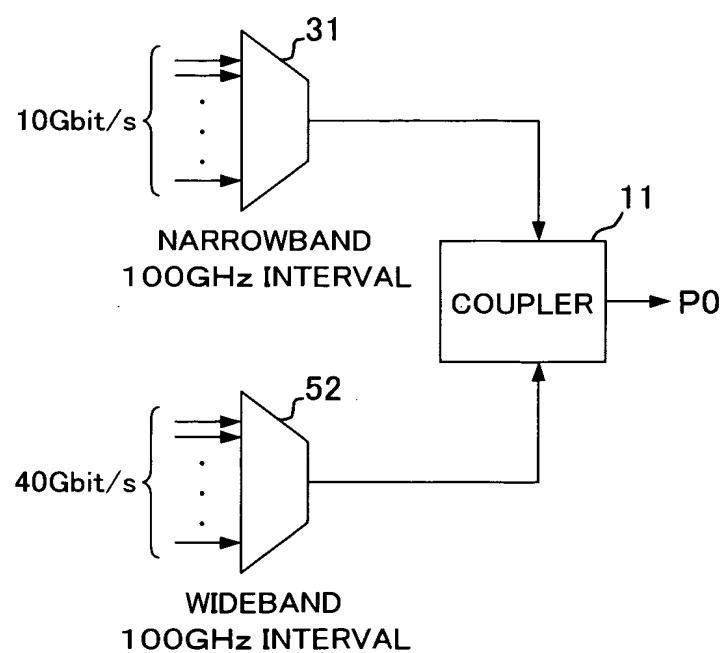


FIG. 13

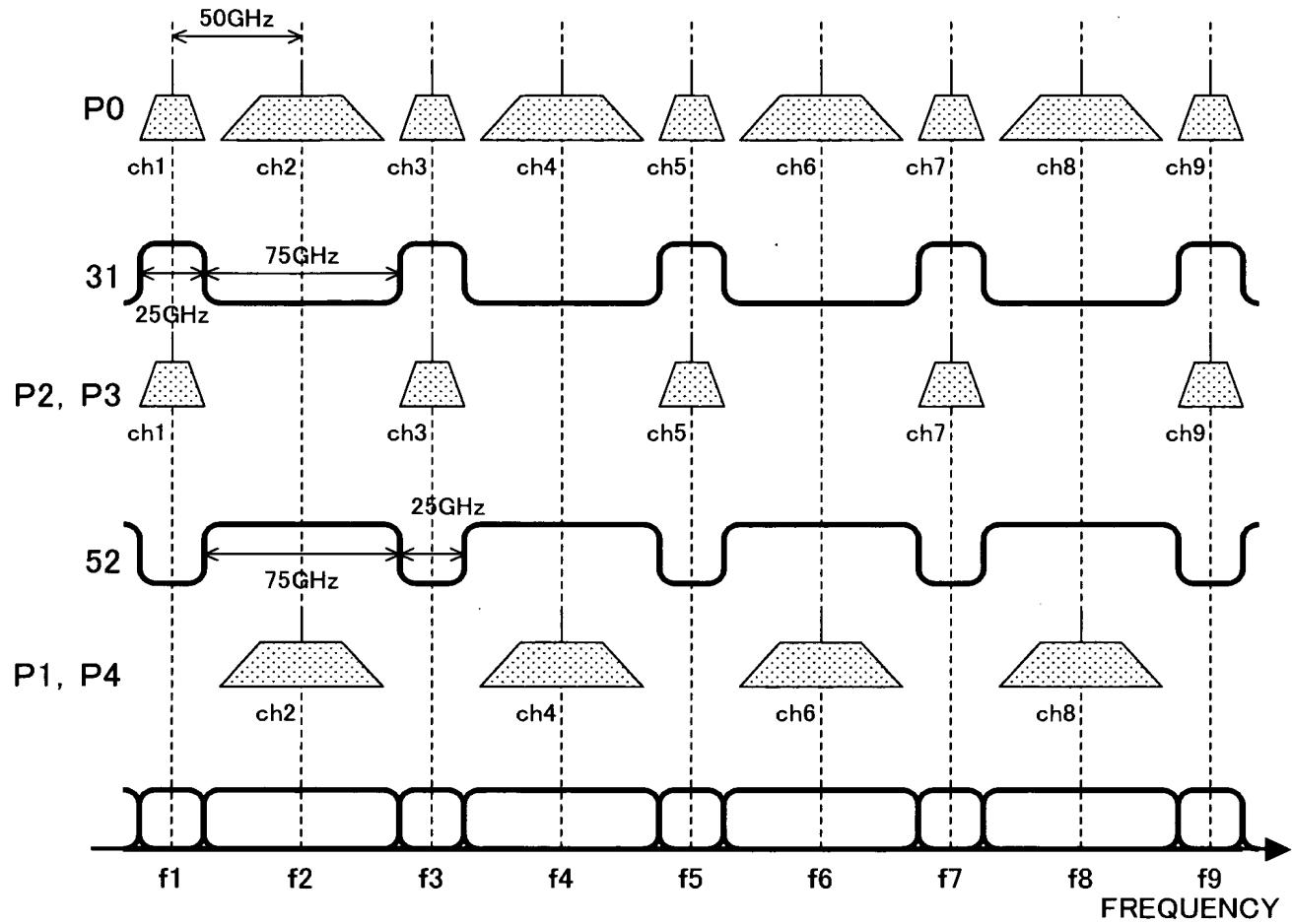


FIG. 14A

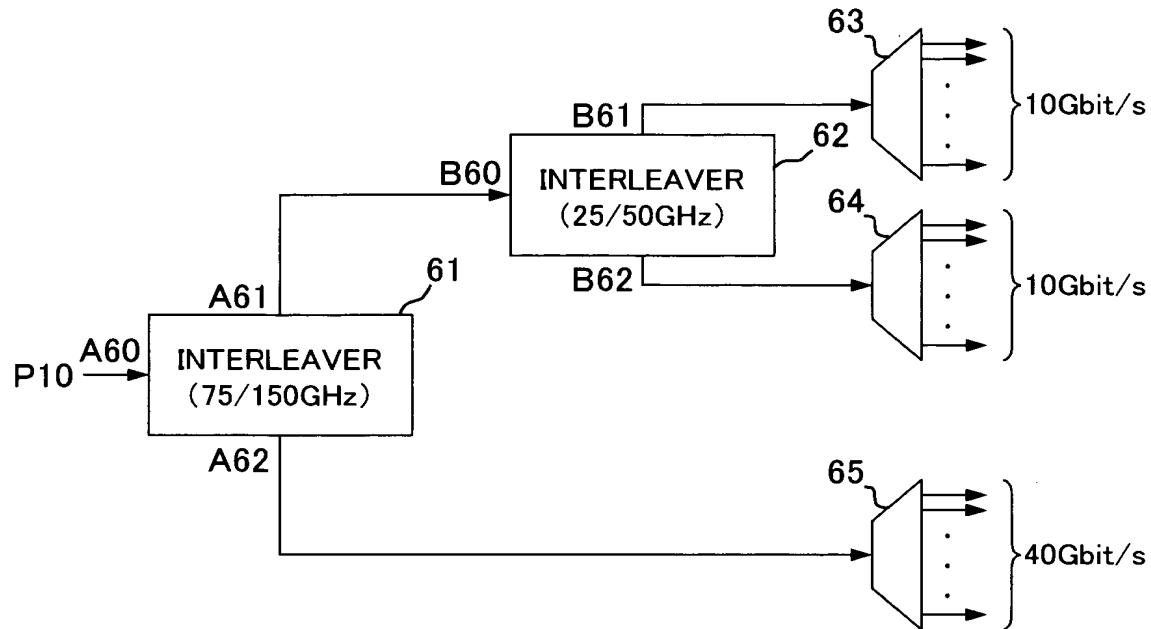


FIG. 14B

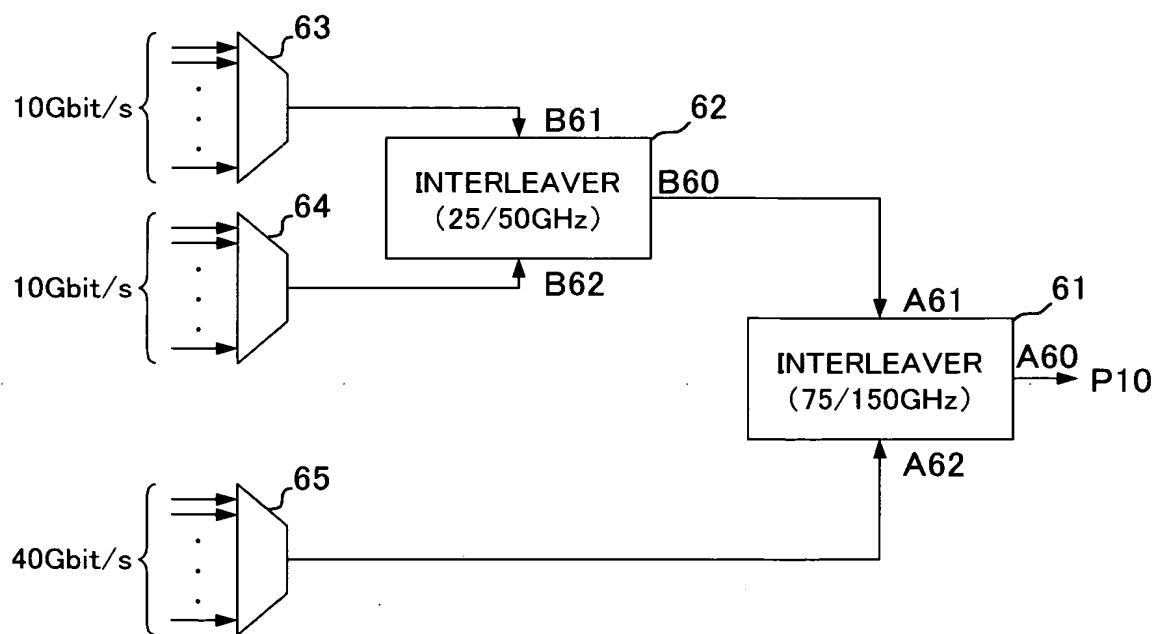


FIG. 15

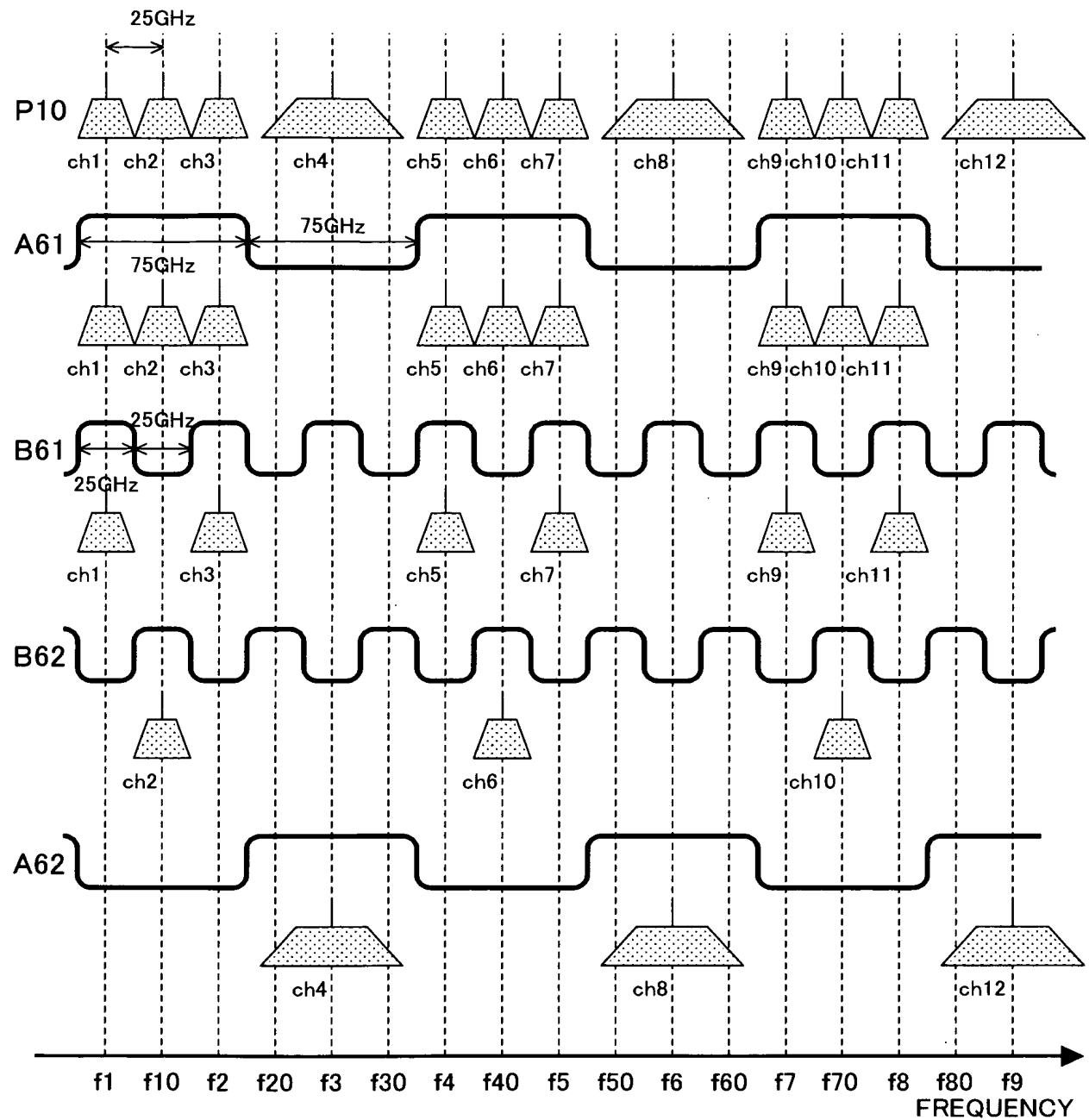


FIG. 16A

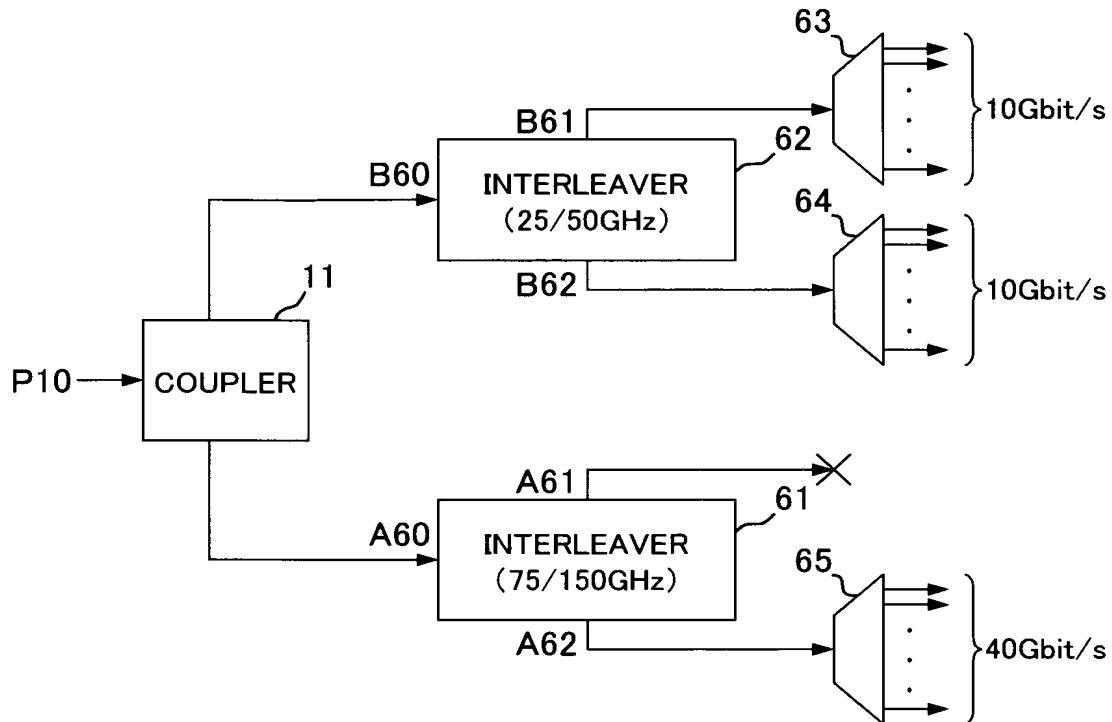


FIG. 16B

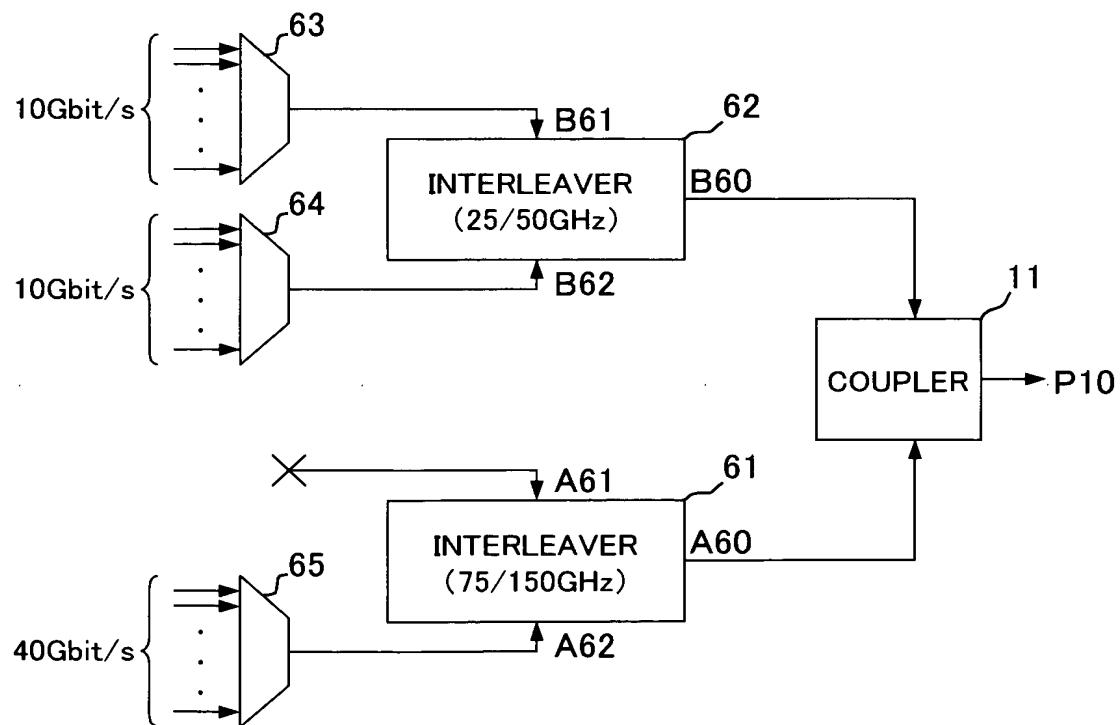


FIG. 17

